

WHAT IS CLAIMED IS:

1. A resource allocation control device connected to a radio access network, which has a base transceiver station to which a mobile station is connected and a base station controller connected to said base transceiver station, and an IP network, comprising:

corresponding means for corresponding radio access channels used for communication between said mobile station and said base transceiver station, and transmission/reception ports used for communication between said radio access network and said IP network;

storing means for storing the information on said corresponded radio access channels and transmission/reception ports; and

allocation/assignment means for allocating or assigning one of said radio access channels and said transmission/reception ports to the other, based on the information on said corresponded radio access channels and transmission/reception ports.

2. The resource allocation control device according to Claim 1, wherein said corresponding means further comprising:

a request acceptance section for accepting the request for resource allocation or assignment sent from said radio access network or said IP network; and

corresponding processing section for corresponding one of said radio access channels and said transmission/reception ports to the other when said request is accepted.

5 3. The resource allocation control device according to Claim 1, wherein said transmission/reception port is an IP address or an IP port.

10 4. The resource allocation control device according to Claim 1, wherein the number of at least one of said corresponded radio access channels and transmission/reception ports, is plural.

15 5. The resource allocation control device according to Claim 1, wherein said corresponding means correspond one of said radio access channels and said transmission/reception ports to the other, based on the information on the allocation priority of each of said radio access channels and said transmission/reception ports.

20 6. A resource allocation control method for allocating or assigning the resource in communication between a radio access network, which has a base transceiver station to which a mobile station is connected and a base station controller which is
25 connected to said base transceiver station, and an IP network, comprising:

a corresponding step of corresponding radio access channels used for communication between said mobile station and said base transceiver station, and transmission/reception ports used for communication between said radio access network and said IP network;

a storing step of storing the information on said corresponded radio access channels and transmission/reception ports; and

an allocation/assignment step of allocating or assigning one of said radio access channels and said transmission/reception ports to the other, based on the information on said corresponded radio access channels and transmission/reception ports.

7. A mobile communication system, comprising:

a radio access network which has a base transceiver station to which a mobile station is connected and a base station controller which is connected to said base transceiver station;

an IP network; and

a resource allocation control device connected to said radio access network and said IP network, comprising corresponding means for corresponding radio access channels used for communication between said mobile station and said base transceiver station, and transmission/reception ports used for communication between said radio access

network and said IP network, storing means for storing the information on said corresponded radio access channels and transmission/reception ports, and allocation/assignment means for allocating or
5 assigning one of said radio access channels and said transmission/reception ports to the other, based on the information on said corresponded radio access channels and transmission/reception ports.